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1/1 DWPI - (C) Derwent
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Title Bimetal cylinder for plastic processing
machines - with thin liner applied by cold
metal forming
Derwent Classes A32
Patent Assignee (INZO) INTERATOM GMBH
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Nbr of Patents 3
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B 19830427 DW1983-18 Ger
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Priority Nbr 1979DE-2901794 19790118
Cited Patents DE2241888; DE-496115; FR2242224; GB1107939;
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US4133460
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Basic Abstract EP--13927 A
Cylinders of plastic processing machines such
as extruders or injection moulding machines
which suffer premature wear by mechanical
abrasion and/or chemical corrosion are made in
a bimetal design. A thick-walled outer tube
receives a thin-walled inner tube by internal
expansion through rolling or explosive
metal-forming so that the inner tube is under
tangential compressive stress.
This provides good heat transfer conditions
and facilitates the exchange of the fast
wearing liners.
Manual Codes CPI: A11-B07 A11-B12
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